

Commonwealth of Kentucky
Division for Air Quality

PERMIT APPLICATION SUMMARY FORM

Completed by: Rita Arguello

GENERAL INFORMATION:

Name:	Aleris International, Inc.
Address:	609 Gardner Camp Road Morgantown, KY 42261
Date application received:	5/31/2005
SIC Code/SIC description:	3341
Source ID:	21-031-00033
Source A.I. #:	11316
Activity ID:	APE20050003
Permit:	V-06-047 Renewal

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Title V
<input type="checkbox"/> Minor	<input type="checkbox"/> Synthetic minor
<input type="checkbox"/> Significant	<input checked="" type="checkbox"/> Operating
<input checked="" type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input checked="" type="checkbox"/> Compliance schedule included
<input type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input checked="" type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☐ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☒ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☐ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)
PM/PM ₁₀	174.73	6163.73
CO	93.60	82.59
SO ₂	0.36	0.26
NO _x	56.94	43.84
VOC	4.31	3.59
Single HAPs		
HCl	33.71	123.88
Cl ₂	0.00	0.00
HF	0.00	0.00
D/F	0.00	0.00
Cr	2.93	38.70
Mn	3.50	49.29
Ni	2.85	36.21
Pb	2.85	36.21
Source wide HAPs		

SOURCE DESCRIPTION:

The raw materials processed at Aleris's Morgantown facility consist of various types of scrap aluminum, including both coated and uncoated aluminum coil, dross from primary aluminum production, used beverage cans (UBCs), scrap siding, and miscellaneous aluminum scrap types. The UBCs, coated aluminum scrap, and miscellaneous scrap require processing, shredding and delacquering, prior to being charged to the rotary or reverberatory furnaces.

EMISSIONS AND OPERATING CAPS DESCRIPTIONS:

Shredder operation unit has a limit of 11.5 tons per hour due to the constraint of the Delacquering Kiln capacity. Therefore, the Delacquering Kiln is the bottleneck for the whole aluminum production process.